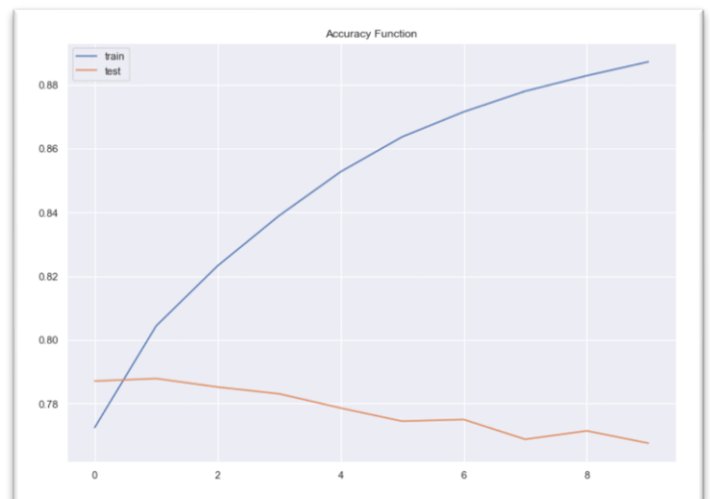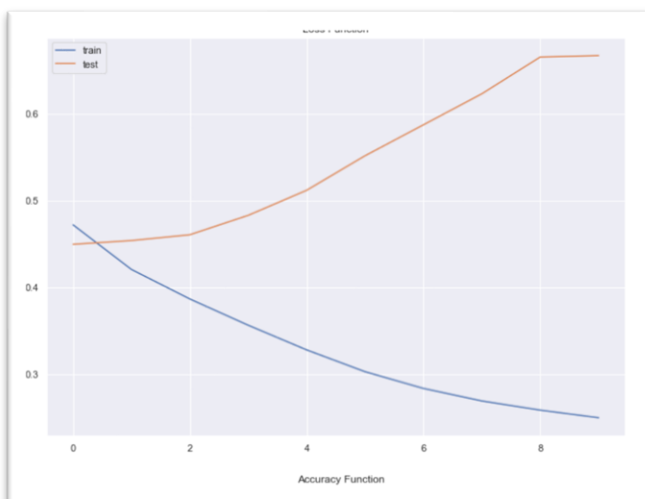Contributor: *Luka Anicin*
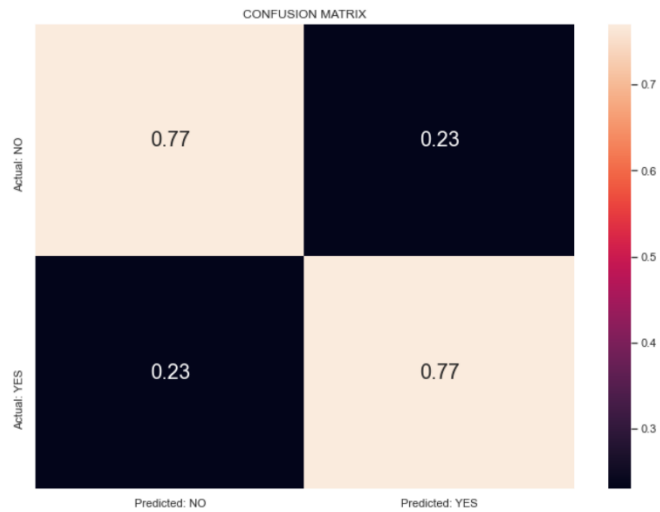Data Scientist: *Ruslan S.*

CAPSTONE FINAL REPORT: Sentiment Analyses

MODEL PERFORMANCE (chosen/final model number 4):

- Model name: 'model_4'
- Model performance on average:
    - Accuracy is 77%
    - Precision (macro/weighted average) is 77%
    - Recall (macro/weighted average) is 77%
    - F1-score (macro/weighted average) is 77%
- Class 0 (negatives)
    - Precision is 77%
    - Recall is 77%
    - F1-score is 77%
- Class 1 (positives)
    - Precision is 77%
    - Recall is 77%
    - F1-score is 77%
- Confusion matrix:
    - Actual 'negatives' and predicted 'negatives' is 77%
    - Actual 'positives' and predicted 'positives' is 77%
    - Actual 'positives' but predicted 'negatives' is 23%
    - Actual 'negatives' but predicted 'positives' is 23%

CONFUSION MATRIX

PERFORMENS OF ALL TRAINED MODELS: Metrics of all trained models.

Model_name	Precision	Recall	F1-score	Accuracy
Model_1	0.75	0.75	0.75	0.75
Model_3	0.75	0.75	0.75	0.75
Model_4	0.77	0.77	0.77	0.77